

# JAVA.IO.BUFFEREDOUTPUTSTREAM CLASS

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## Introduction

The **java.util.BufferedOutputStream** class implements a buffered output stream. By setting up such an output stream, an application can write bytes to the underlying output stream without necessarily causing a call to the underlying system for each byte written.

## Class declaration

Following is the declaration for **java.util.BufferedOutputStream** class:

```
public class BufferedOutputStream
    extends FilterOutputStream
```

## Field

Following are the fields for **java.util.BufferedOutputStream** class:

- **protected byte[] buf** -- This is the internal buffer where data is stored.
- **protected int count** -- This is the number of valid bytes in the buffer.
- **protected OutputStream out** -- This is the underlying output stream to be filtered.

## Class constructors

S.N.	Constructor & Description
1	<b>BufferedOutputStream(OutputStream out)</b> This creates a new buffered output stream to write data to the specified underlying output stream.
2	<b>BufferedOutputStream(OutputStream out, int size)</b> This creates a new buffered output stream to write data to the specified underlying output stream with the specified buffer size.

## Class methods

S.N.	Method & Description
1	<a href="#"><u>void flush()</u></a> This method flushes this buffered output stream.
2	<a href="#"><u>void write(byte[] b, int off, int len)</u></a> This method writes len bytes from the specified byte array starting at offset off to this buffered output stream.
3	<a href="#"><u>void write(int b)</u></a> This method writes the specified byte to this buffered output stream.

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## Methods inherited

This class inherits methods from the following classes:

- `java.util.FilterOutputStream`
- `java.util.Object`